

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:
R. CAHOON ET AL.

CASE NO.: BB1264

APPLICATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

FILED: CONCURRENTLY HEREWITH

EXAMINER: UNKNOWN

FOR: UDP-GLUCOSE MODIFIERS

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Before examination of the above-referenced application, please amend the application as follows:

In the Claims:

Please cancel claims 1-19.

Please add the following new claims:

- a'
20. An isolated polynucleotide that encodes a plant desaturase polypeptide having a sequence identity of at least 80%, based on the Clustal method of alignment, when compared to a polypeptide selected from the group consisting of SEQ ID NOs: 2, 4, 6, 8, and 17.
 21. The polynucleotide of Claim 20 wherein the sequence identity is at least 85%.
 22. The polynucleotide of Claim 20 wherein the sequence identity is at least 90%.
 23. The polynucleotide of Claim 20 wherein the sequence identity is at least 95%.
 24. The polynucleotide of Claim 20 wherein the polypeptide is selected from the group consisting of SEQ ID Nos: 2, 4, 6, 8, and 17.
 25. The polynucleotide of Claim 20, wherein the polynucleotide is selected from SEQ ID Nos: 1, 3, 5, 7, and 16.
 26. An isolated complement of the polynucleotide of Claim 20, wherein (a) the complement and the polynucleotide consist of the same number of nucleotides, and (b) the nucleotide sequences of the complement and the polynucleotide have 100% complementarity.